

ABSTRACT:

To increase the strength of the glass panel, for example of a CRT, the surface temperature of the glass panel at the inner surface of the corners is reduced, during press-forming, to a value below the surface temperature at the inner surface at the centre, the difference being preferably 50°C-150°C. The forced cooling at the corners compensates for the larger reheating effect in the corners than at the centre that occurs after formation. As a consequence of this compensating effect, a more homogeneous distribution of surface stresses is obtained, increasing the strength of the glass panel.

Fig. 2b